

Table 2
Selected Studies
World Smelters

Country	Smelter	References
Australia	Wollongong, New South Wales (Cu smelter)	Beavington 1975 Beavington 1977
	Port Pirie (Pb/Zn smelter)	Cartwright et al. 1976 Merry et al. 1981 Koh and Judson 1986 Langley 2002
Peru	La Oroya (Zn smelter)	Reif et al. 1989
Chile	Caletones (Cu smelter)	Romo-Kroger and Llona 1993 Romo-Kroger et al. 1994
	offshore	Saltzman et al. 1986
Argentine	Lastenia (Pb smelter)	Fernandez-Turiel et al. 2001
Mexico	Torreón (Pb/Zn smelter) and Chihuahua	Benin et al. 1999
	San Luis Potosí (Cu/Zn smelter)	Díaz-Barriga et al. 1993
Sweden	Gusum (brass mill)	Nordgren et al. 1983
	Ronnskar (Cu smelter)	Beckman 1978 Hellstrom 1980 Nordgren et al. 1986 Johnson et al. 1992 Pennanen et al. 1996
	Landskrona (Pb smelter)	Farago et al. 1999
Finland	Harjavalta (Cu smelter)	Fritze et al. 1989 Pennanen et al. 1996 Veijalainen 1998
Norway	Sulitjelma (Cu smelter)	Lobersli and Steinnes 1988

France	Noyelles-Godault (Pb/Zn smelter) and Auby (Zn smelter)	Godin et al. 1985 Sterckeman et al. 2002
Czech Republic	national survey (including Pribram smelting area)	Suchara and Sucharova 2002
	Krompachy and Rudnany	Mankovska et al. 1989
Poland	Legnica (Cu smelter)	Kowalinski et al. 1979 Kabata-Pendias et al. 1981
	western Poland (Cu smelter)	Zwozdziaik and Zwozdziaik 1982
United Kingdom	Bristol-Avonmouth (Pb/Zn smelter)	Little and Martin 1972 Cameron and Nickless 1977
Russia	Noril'sk (Cu/Ni smelters)	Blais et al. 1999
	Kola Peninsula, including Nikel (Cu/Ni smelter), Zapoljarnij (Cu/Ni smelter), and Monchegorsk (Cu smelter)	Karaban and Gytarsky 1995 Kozlov et al. 1995 Barcan and Sylina 1996 Niskavaara et al. 1996 Reimann et al. 1997 Ayras et al. 1997 Rautio et al. 1998 Barcan and Kovnatsky 1998 Gregurek et al. 1998 Gregurek et al. 1999 Reimann et al. 2000 Steinnes et al. 2000 Haugland et al. 2002 Reimann 2002
Ghana	Obuasi (Au smelter)	Amasa 1975
Canada	Flin Flon, Manitoba (Cu/Zn smelter)	Franzin et al. 1979 Hogan and Wotton 1984 Phillips et al. 1986 Zoltai 1988 Pip 1991 Bonham-Carter and McMartin 1997 Henderson et al. 1998 McMartin et al. 1999
	Thompson, Manitoba (Ni smelter)	Wotton et al. 1986

	Afton, British Columbia (Cu smelter)	Robertson and Price 1986
	Belledune, New Brunswick (Pb smelter)	Pilgrim and Hughes 1994
	Rouyn-Noranda, Quebec (Cu/Zn smelter)	Dumontet et al. 1990 Dumontet et al. 1992
	Trail, British Columbia (Pb/Zn smelter)	John et al. 1975 Lynch et al. 1980
	Yellowknife, NW Territories (Au smelter)	Hocking et al. 1978 Canadian Public Health Association 1977 Hazra et al. 1977 Stanley Associates Engineering Ltd. 1986 Ferguson Simek Clark 1994 Dillon Ltd. 1995
	multiple sites	McMartin et al. 2002 Newhook et al. 2003 Metals in the Environment-Research Network (MITE-RN) 1998 to present
	Sudbury, Ontario including Coniston, Falconbridge, and Copper Cliff smelters (Cu/Ni smelters)	Hutchinson and Whitby 1974 Hutchinson and Whitby 1977 Rutherford and Bray 1979 Chan et al. 1980 Freedman and Hutchinson 1980 Jeffries and Snyder 1981 Arafat and Glooschenko 1982 Nriagu et al. 1982 Chan et al. 1982 Taylor and Crowder 1983 Hazlett et al. 1983 Nriagu 1983 Chan and Lusis 1985 Dudka et al. 1995 Ontario Ministry of the Environment 2001 Adamo et al. 2002
United States	Anaconda, Montana (Cu smelter)	Galbraith et al. 1995 St. Clair et al. 1995 USEPA 1996

	East Helena, Montana (Pb smelter)	Rupp et al. 1978 Pagenkopf and Maughan 1984
	Kellogg, Idaho (Pb smelter)	Roberts 1973 Ragaini et al. 1977
	Palmerton, Pennsylvania (Zn smelter)	Buchauer 1973 Beyer et al. 1984
	Garfield, Utah (Cu smelter)	Ball et al. 1983
	El Paso, Texas (Pb smelter)	Landrigan et al. 1975
	Missouri (Pb smelters)	Bolter et al. 1975
	San Manuel, Arizona (Cu smelter)	Gabriel and Patten 1994 Gabriel and Patten 1995
	Arizona (Cu smelters)	Germani et al. 1981 Small et al. 1981 Eldred et al. 1983 Blanchard and Stromberg 1987
	multiple smelters	Baker et al. 1977 Hartwell et al. 1983
	Upstate New York (Canadian smelters influence)	Gullu et al. 1995